

MADERA IRRIGATION DISTRICT BOARD OF DIRECTORS SPECIAL MEETING

AGENDA

MISSION STATEMENT

To obtain and manage affordable surface and ground water supplies in a manner which will ensure the long-term viability of irrigated agriculture in the District.

Special Meeting Date:
Thursday, May 19, 2011
1:30 p.m.

Madera Irrigation District
12152 Road 28 ¼
Madera, CA 93637

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 559-673-3514, ext. 215. Notification in advance of the meeting will enable MID to make reasonable arrangements to ensure accessibility to this meeting.

ORDER OF BUSINESS

1:30 p.m.

CALL TO ORDER

1. PUBLIC COMMENT

At this time, members of the public may address the Board on any non-agendized item. The public is encouraged to work through staff members to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda. Comments are limited to five minutes per person / 15 minutes per subject.

2. NEW BUSINESS

2a. Fresno River Operations Protocol and 2011 Operations Workshop

3. ADJOURNMENT

Madera Irrigation District
Fresno River Operations Protocol and
2011 Operations Workshop
1:30 PM Thursday May 19, 2011

Agenda

1. Purpose of Protocol

- a. Process by Which Water Entitlements are Determined and Satisfied
- b. Working Document

2. Review of 2011 Operations

- a. Submittal of Data by Fresno River Riparian Water Users (Handout)
- b. Summary of Riparian and Senior Right Holders Entitlements through April 30th (Handout)
- c. Delivery of Entitlements for Balance of 2011 Riparian Season
- d. Flood Flow Accounting
 - i. Fresno River
 - ii. Chowchilla Bypass
- e. Riparian and CVP Water Accounting
- f. Notice Procedures (Handout)
- g. MID Monitoring Costs of Diversions by Riparian and Senior Right Holders

3. US Bureau of Reclamation Participation (Salazar)

- a. Development of Fresno River Allocation Model
- b. Refinements to Model
- c. Review of FRAM Results (Handout)

4. State Water Resources Control Board Role (Satkowski)

- a. Statutory Authority
- b. Compliance Review

5. Fresno River Operations Protocol

- a. Written Comments Received to Date
- b. Pre-irrigation & Winter Cultural Practice Adjustments
- c. Oral Comments
- d. Alternatives for Payment of Monitoring Costs
- e. Refinements to Protocol

6. Annual Report

- a. Purpose of Annual Report (Outline Handout)
- b. Discussion of Water Year (Oct. thru Sept.) versus Calendar Year Reporting
- c. Completion Date
- d. Distribution to Interested Parties
- e. Update of MID Web Site

Madera Irrigation District

Fresno River Operations Protocol and 2011 Operations Workshop

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2011 Riparian Data Submittal List As Of 5/7/2011

MID Turnout #	Farm/Riparian User	Chain of Title	Tests/Diversion Capacity	Ability to Divert on Riparian Lands	2009 Statement of Diversion	Crop Maps
TO #1	Adobe Ranch	in progress	in progress			crop acreage
TO #2	DMP Development					
TO #2B,C	Stoetzel	yes	1.92 cfs	yes	yes	yes
TO #2D	Kurt Parrish		in progress			
TO #4	Herman/Dasilva					
TO #5	DeBenedetto/Mesple	yes	8.9 cfs	yes	yes	yes
TO #6	Rancho Bella Vista	yes	2 cfs	yes	yes	yes
TO #7	Isla Vista Farms, LLC	yes	2 cfs	yes	yes	yes
TO #8	Madera Thoroughbreds			yes	Submitted to SWRCB only	
Road 16	Costa View Farms	maps of historical landownerships		yes	Submitted to SWRCB only	
Road 16	Cosnys Farms	in progress	12.1 cfs	yes	yes	yes
Road 16	Tri-Test Farms			yes		
Road 9	Madera Triangle-T	yes	yes	yes	yes	yes
	Menefee	yes	23.2 cfs	yes	yes	crop acreage
	Harman Bors	yes	2.1 cfs	yes	yes	crop acreage

**DRAFT ANNUAL REPORT OUTLINE
ON 2011 FRESNO RIVER OPERATIONS**

- I. Introduction
 - A. Purpose of Annual Report – to Inform and Notify All Interested Parties on 2011 Fresno River Operations
 - B. Content of Annual Report
 - C. Comments on Fresno River Operations Protocol and Refinements to Protocol
- II. Fresno River Operations (Run-of-the-River) for 2011 Water Year
 - A. Hydrologic Data
 - 1. Fresno River Water Supply
 - 2. Big Creek
 - 3. Soquel Creek Diversion (if flow diverted through Hensley Lake)
 - 4. Hensley Lake Storage
 - a. Under Permit 16584
 - b. Under Pre-1914
 - (1) Big Creek
 - (2) Soquel Creek (if any)
 - (3) Fresno River
 - 5. Madera Lake Regulations
 - 6. Madera Canal Imports
 - B. Riparian Users Data
 - 1. Riparian Acreage (based on chain of title) and Cropping Pattern – Including Discussion of Information Submitted By Each Riparian User and Date of Last Submittal
 - 2. Riparian Ability to Divert Riparian Flow – Diversion Structure Capacity
- III. Priority of Water Right Holders on Fresno River

- A. Madera Irrigation District 1916 Judgment Decreed Right
 - B. Riparian Water Rights
 - 1. Riparian Rights above Franchi Dam; and
 - 2. Riparian Rights below Franchi Dam.
 - C. Senior Appropriative Right Holders
 - D. USBR Hidden Dam Permit (MID Central Valley Project (CVP) water)
- IV. Fresno River Allocations
- A. The Fresno River Allocation Model (FRAM)
 - 1. Data Collection and Analysis
 - a. Water Supply
 - b. Irrigation Demand
 - c. Diversion Capacity
 - 2. FRAM Results
 - B. Scheduling of Deliveries Based on 30-Day Re-regulation of River Flows Among Water Right Holders
 - 1. Madera Irrigation District
 - a. Direct Diversion
 - b. Storage at Hensley Lake
 - 2. Riparian and Senior Right Holders
 - 3. USBR Hidden Dam Permit Rights
 - 4. Fresno River Uncontrolled Flows
 - C. Notice to Riparian and Senior Right Holders on Available Fresno River Flows
 - D. Measurement of Riparian and Senior Right Holders Diversions
- V. Summary of Fresno River Operations and Allocations

- A. Accounting of Various Water Right Flows in the Fresno River and Hensley Lake Storage Including USBR Permit 16584 (CVP Project), MID's pre-1914 rights, riparian rights and appropriative rights

VI. District Comments on 2011 River Operations

Discussion on riparian right holders to provide requested information, any failure of right holders to measure diversions, inability of any riparian user to take riparian flows and any violation of water rights to be referred to SWRCB for appropriate action.

Submittal of "Riparian and Pre-1914 Statements of Water Diversion and Use to the SWRCB". Submittal of "Permittee/Licensee Reports of Water Use to the SWRCB".
Operation of Hidden Dam's low flow outlet.

Fresno River Riparian Users' Entitlements for 2011 Through April 30th

				FR Riparian Allocations (acre-feet)			
Reach	T.O.	Owner / Ranch Name	Miles from Hidden Dam	Feb	Mar	Apr	May
2	FR # 1	Adobe Ranch	5.5	41	49	65	
3	FR # 2	DMP Development	7.9	14	9	81	
3	FR # 2B,C	Stoetzel	9.3	15	21	99	
3	FR # 4	Herman / Dasilva	11	2	0	22	
3	FR # 5	DeBenedetto/Mesple	11.1	26	2	300	
3	FR # 6	Rancho Bella Vista	10.4	2	0	15	
3	FR # 7	Isla Vista Farms, LLC	10.4	4	0	35	
3	FR # 8	Madera Thoroughbreds	11.4	10	7	61	
5	Rd 16	Costa View Farms	26.9	315	383	2,043	
5		Cosyns Farms		0	4	103	
5		Tri-Test Dairy (Richie Test)		36	40	235	
7	Rd 9	Triangle T	34.5	814	976	3,563	
7		Menefee					
7		Harman Bros					

Fresno River Operations Protocol

Example of

Fresno River Allocation Model Flow Accounting for Low Flow Conditions:

Inflow to Hidden Dam - 200 cfs

Hidden to Madera Canal

Reach 1 Losses - 11 cfs

Reach 1 Riparian Diversion - 0 cfs

189 cfs

Madera Canal to Island Tract

Reach 2 Losses - 4 cfs

Reach 2 Riparian Diversion - 1.09 cfs

183.91 cfs

Island Tract to Franchi Dam

Reach 3 Losses - 11 cfs

Reach 3 Riparian Diversion - 22.36 cfs

150.55 cfs

Franchi Dam

Reach 4 Losses - 0 cfs

Reach 4 MID Diversion - 150 cfs

(MID 1916 Judgment) **0.55 cfs**

Fresno River Operations Protocol

Notification Procedure for Normal (non flood release) Flow Conditions

- MID will inform each of the riparians by email, fax, or/and letter by the 10th of each month regarding their riparian entitlements in acre-feet for the previous month and the period (dates) during which the riparian water will be available during the current month.

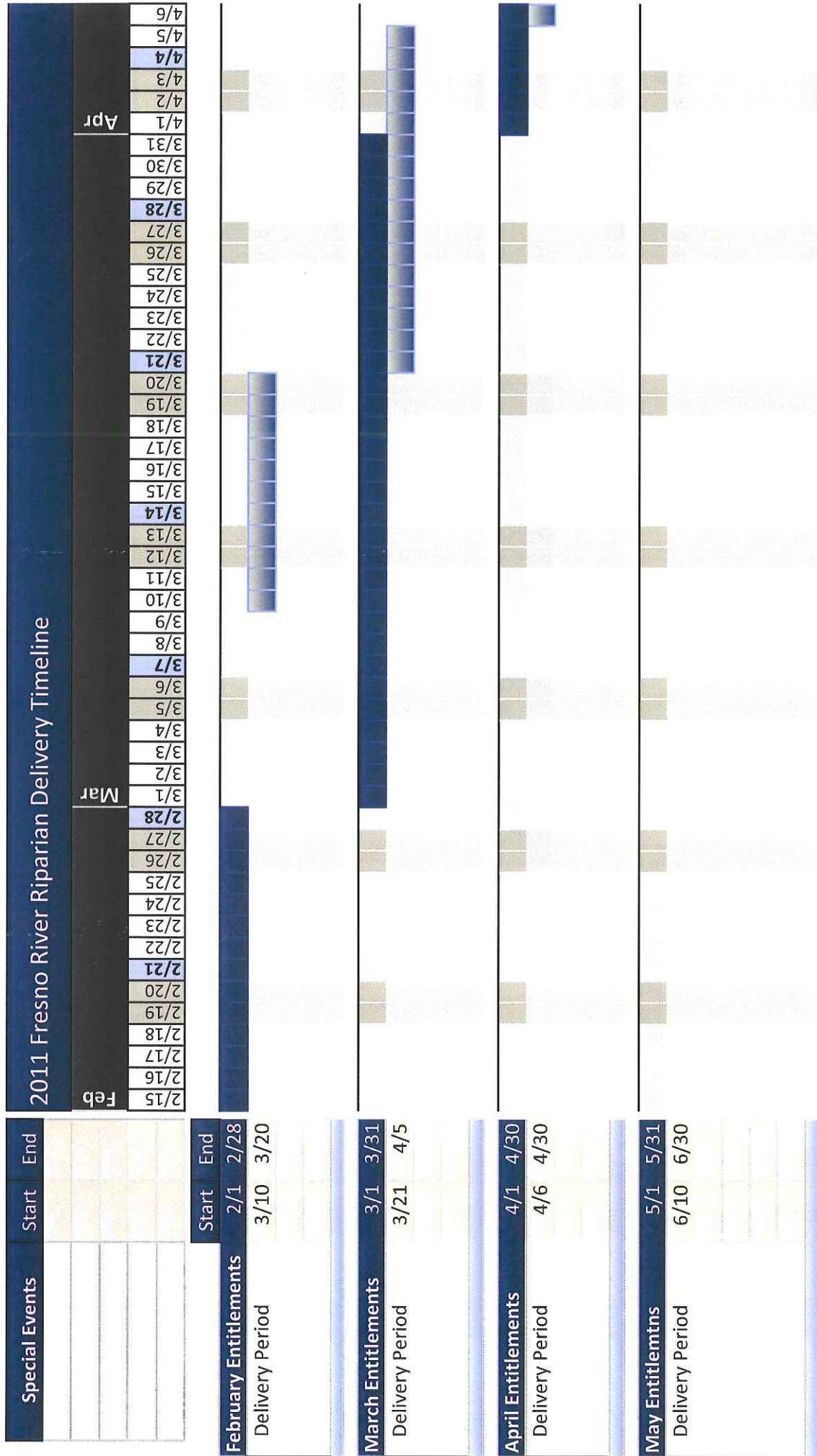
- **Example:**

START OF RIPARIAN SEASON

- **March 7 →** Notice goes out to inform users of their entitlement amounts and the dates of availability of riparian water; e.g. from **March 11** to **March 21**. These riparian entitlement amounts are based on the February hydrology.
- **April 5 →** Notice goes out to inform users of their entitlement amounts and the dates of availability of riparian water; e.g. from **April 10** to **April 25**. These riparian entitlement amounts are based on the March hydrology.
- **May 3 →** Notice goes out to inform users of their entitlement amounts and the dates of availability of riparian water; e.g. from **May 5** to **June 5**. These riparian entitlement amounts are based on the April hydrology.
- **June 4 →** Notice goes out to inform users of their entitlement amounts and the availability of riparian water; e.g. from **June 6** to **June 30**. These riparian entitlement amounts are based on the May hydrology.

END OF RIPARIAN SEASON

2011 Fresno River Riparian Delivery Timeline



Special Events

[illegible]

4/7		
4/8		
4/9		
4/10		
4/11		
4/12		
4/13		
4/14		
4/15		
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4/29		
4/30		
5/1	May	
5/2		
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5/26		
5/27		

	Start	End
February Entitlements	2/1	2/28

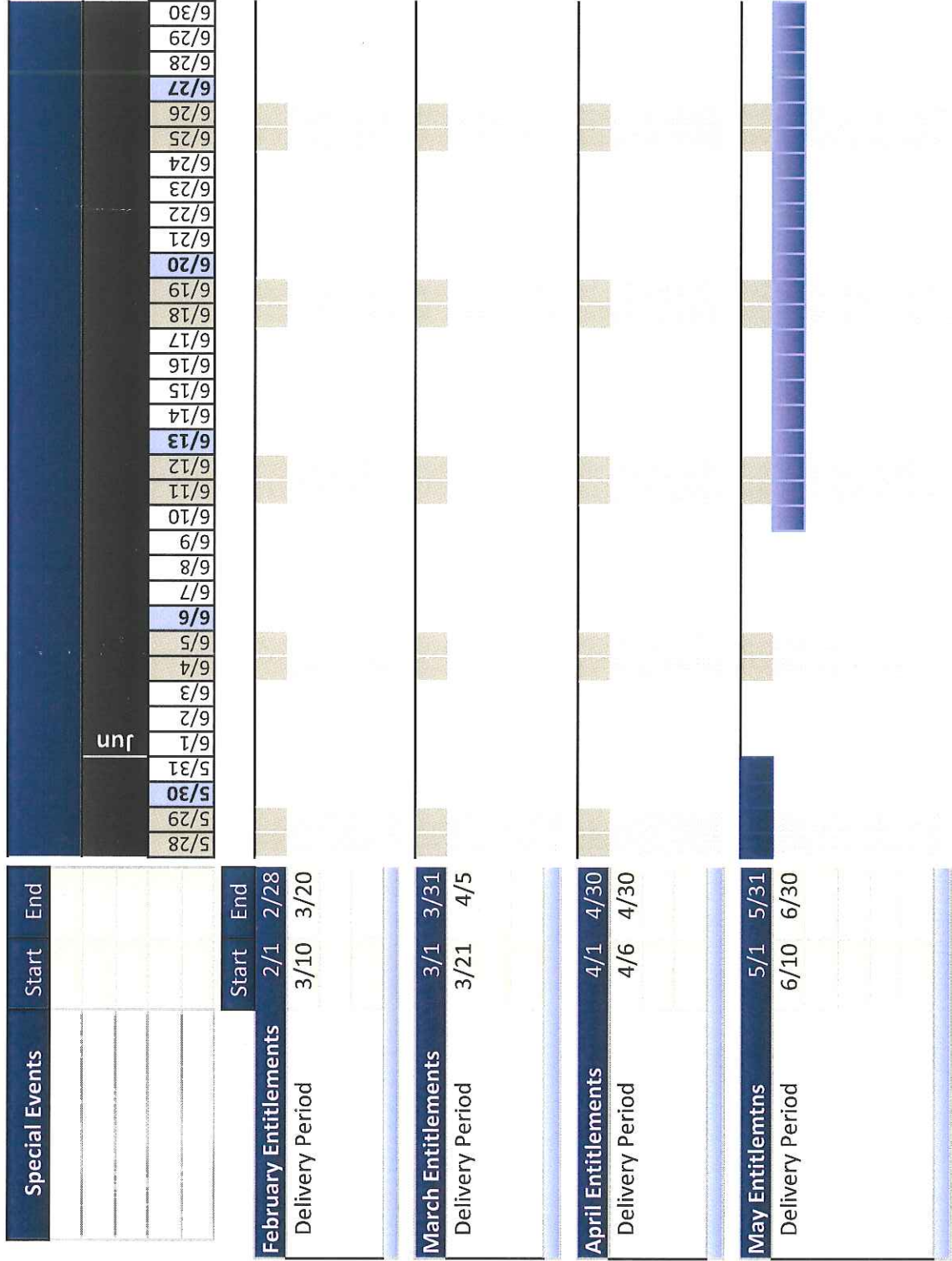
Delivery Period	3/10	3/20

March Entitlements	3/1	3/31
Delivery Period	3/21	4/5

April Entitlements	4/1	4/30
Delivery Period	4/6	4/30

May Entitlements	5/1	5/31
Delivery Period	6/10	6/30

2011 Fresno River Riparian Delivery Timeline



Madera Irrigation District

Web Site Update

Conceptual Menu

May-11

<u>About MID</u>	<u>News & Information</u>	<u>MID Water Information</u>	<u>Fresno River Riparian</u>	<u>Links to Other Data</u>	<u>Madera Ranch</u>
History	Calendar	MID Surface Water	Operations Protocol	Reservoir Data Links	
Mission Statement	Board Agendas	MID Supply Summary	Current Entitlements	Millerton	
Service Area Map	Board Minutes	Water Season Info	Annual Reports	Hidden	
Board of Directors	Annual Financial St.	Water Rates & Charges		Buchanan	
Mgmt Staff	MID Rules & Regs	Rules & Regs		Pine Flat	
Employment	News Letters	Groundwater		Weather	
Surplus Equip	Press Releases	Monthly Data		CIMIS Sta.	
Contact MID	Public Notices	Maps		USBR	
	Water News Articles	News		MP Home Page	
	River Restoration			CVO	
	Links			Mildop	
	News			MIL Nat	
				SCCAO (Fresno)	
				Friant Water Authority	
				ACWA Home Page	
				California DWR	

Fresno River Model 99-001-R-1A (Revised Reclamation River Model R-1) 3_30_10 Update												
Part I												
Year	2011											
Month	March											
Days in Month	31											
Part II												
Irrigation Demands Acre-feet	Reach 1 (month)	Reach 2 (month)		Reach 3 (month)	Reach 4 (monthly)	Reach 5 (month)	Reach 6 (month)	Reach 7 (month)				
		Other	MID									
January	0	0	0	0	0	0	0	0				
February	0	41	0	74	526	351	0	288				
March	0	49	0	38	126	427	0	361				
April												
May												
June												
July												
August												
September												
October												
November												
December	0	0	0	0	0	0	0	0				
Part III												
Diversion Capacity	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7				
		Other	MID									
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)				
	2	1.09	0	22.36	300	91	0	50				
Part IV												
Channel Loss	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7				
		(cfs)	(cfs)						(cfs)	(cfs)	(cfs)	(cfs)
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)				
	11		4	11	0	25	4	31				
Part V												
	Hensley Reservoir Total Inflow (CORP Calculation)	Big Creek Recorder #11267350 Previous Day	North Fork Willow Creek Recorder #11242400 Flows	Imported Flow from Madera Canal	Soquel Ditch Via Hidden Dam							
						(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
March												
1	301.00	19	29.00	0.00	0.00							
2	445.00	19	39.00	0.00	0.00							
3	313.00	19	41.00	0.00	0.00							
4	381.00	19	37.00	0.00	0.00							
5	405.00	19	36.00	0.00	0.00							
6	309.00	18	43.00	0.00	0.00							
7	505.00	19	66.00	0.00	0.00							
8	555.00	19	52.00	0.00	0.00							
9	278.00	19	50.00	0.00	0.00							
10	329.00	19	50.00	0.00	0.00							
11	301.00	19	50.00	0.00	0.00							
12	325.00	19	50.00	0.00	0.00							
13	274.00	19	48.00	0.00	0.00							
14	275.00	19	50.00	0.00	0.00							
15	275.00	19	55.00	0.00	0.00							
16	343.00	20	120.00	0.00	0.00							
17	374.00	19	86.00	0.00	0.00							
18	373.00	19	69.00	0.00	0.00							
19	325.00	18	62.00	0.00	0.00							
20	3428.00	14	59.00	0.00	0.00							
21	4263.00	15	72.00	0.00	0.00							
22	1755.00	16	57.00	0.00	0.00							
23	1583.00	16	54.00	0.00	0.00							
24	2989.00	16	50.00	0.00	0.00							
25	4097.00	16	49.00	0.00	0.00							
26	2120.00	16	48.00	0.00	0.00							
27	1668.00	9.8	51.00	0.00	0.00							
28	1153.00	16	52.00	0.00	0.00							
29	929.00	16	52.00	0.00	0.00							
30	843.00	19	54.00	0.00	0.00							
31	823.00	16	69.00	0.00	0.00							
Total (cfs)	32337.00	545.80	1700.00	0.00	0.00							
Total (ac-ft)	64140.44	1082.59	3371.95	0.00	0.00							

	INPUT DATA					REACH 1							REACH 2											REACH 3									
						Hidden Dam (RM-49.0) to Madera Canal							Madera Canal to Head Island (RM - 41.9)											Head Island (RM - 41.9) to Franchi Dam (RM-36.5)									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	Hensley Reservoir Calculated Inflow	Big Creek Diversion	North Fork Willow Creek Diversion - Sequel Ditch	North Fork Willow Creek	Imported Water from Madera Canal	Fresno River	Imports (Big Creek & Sequel) (less 4 cfs reach)	Fresno River Losses	Import Losses	Remaining Fresno River	Remaining Imports	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Import	Remaining Madera Canal	Madera Canal Demand	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Imports	Remaining Madera Canal	Fresno River Demand
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	
March												0.00										0.00	24.70									19.16	
1	301.00	19.00	0.00	29.00	0.00	286.00	15.00	10.45	0.55	275.55	14.45	0.00	275.55	14.45	0.00	3.80	0.20	0.00	271.75	14.25	0.00	0.00	1.09	270.66	14.25	0.00	10.45	0.55	0.00	260.21	13.70	0.00	19.16
2	445.00	19.00	0.00	39.00	0.00	430.00	15.00	10.63	0.37	419.37	14.63	0.00	419.37	14.63	0.00	3.87	0.13	0.00	415.51	14.49	0.00	0.00	1.09	414.42	14.49	0.00	10.63	0.37	0.00	403.79	14.12	0.00	0.00
3	313.00	19.00	0.00	41.00	0.00	298.00	15.00	10.47	0.53	287.53	14.47	0.00	287.53	14.47	0.00	3.81	0.19	0.00	283.72	14.28	0.00	0.00	1.09	282.63	14.28	0.00	10.47	0.53	0.00	272.16	13.75	0.00	0.00
4	381.00	19.00	0.00	37.00	0.00	366.00	15.00	10.57	0.43	355.43	14.57	0.00	355.43	14.57	0.00	3.84	0.16	0.00	351.59	14.41	0.00	0.00	1.09	350.50	14.41	0.00	10.57	0.43	0.00	339.93	13.98	0.00	0.00
5	405.00	19.00	0.00	36.00	0.00	390.00	15.00	10.59	0.41	379.41	14.59	0.00	379.41	14.59	0.00	3.85	0.15	0.00	375.56	14.44	0.00	0.00	1.09	374.47	14.44	0.00	10.59	0.41	0.00	363.87	14.04	0.00	0.00
6	309.00	18.00	0.00	43.00	0.00	295.00	14.00	10.50	0.50	284.50	13.50	0.00	284.50	13.50	0.00	3.82	0.18	0.00	280.68	13.32	0.00	0.00	1.09	279.59	13.32	0.00	10.50	0.50	0.00	269.09	12.82	0.00	0.00
7	505.00	19.00	0.00	66.00	0.00	490.00	15.00	10.67	0.33	479.33	14.67	0.00	479.33	14.67	0.00	3.88	0.12	0.00	475.45	14.55	0.00	0.00	1.09	474.36	14.55	0.00	10.67	0.33	0.00	463.68	14.23	0.00	0.00
8	555.00	19.00	0.00	52.00	0.00	540.00	15.00	10.70	0.30	529.30	14.70	0.00	529.30	14.70	0.00	3.89	0.11	0.00	525.41	14.59	0.00	0.00	1.09	524.32	14.59	0.00	10.70	0.30	0.00	513.61	14.30	0.00	0.00
9	278.00	19.00	0.00	50.00	0.00	263.00	15.00	10.41	0.59	252.59	14.41	0.00	252.59	14.41	0.00	3.78	0.22	0.00	248.81	14.19	0.00	0.00	1.09	247.72	14.19	0.00	10.40	0.60	0.00	237.32	13.59	0.00	0.00
10	329.00	19.00	0.00	50.00	0.00	314.00	15.00	10.50	0.50	303.50	14.50	0.00	303.50	14.50	0.00	3.82	0.18	0.00	299.68	14.32	0.00	0.00	1.09	298.59	14.32	0.00	10.50	0.50	0.00	288.10	13.81	0.00	0.00
11	301.00	19.00	0.00	50.00	0.00	286.00	15.00	10.45	0.55	275.55	14.45	0.00	275.55	14.45	0.00	3.80	0.20	0.00	271.75	14.25	0.00	0.00	1.09	270.66	14.25	0.00	10.45	0.55	0.00	260.21	13.70	0.00	0.00
12	325.00	19.00	0.00	50.00	0.00	310.00	15.00	10.49	0.51	299.51	14.49	0.00	299.51	14.49	0.00	3.82	0.18	0.00	295.69	14.31	0.00	0.00	1.09	294.60	14.31	0.00	10.49	0.51	0.00	284.11	13.80	0.00	0.00
13	274.00	19.00	0.00	48.00	0.00	259.00	15.00	10.40	0.60	248.60	14.40	0.00	248.60	14.40	0.00	3.78	0.22	0.00	244.82	14.18	0.00	0.00	1.09	243.73	14.18	0.00	10.40	0.60	0.00	233.34	13.57	0.00	0.00
14	275.00	19.00	0.00	50.00	0.00	260.00	15.00	10.40	0.60	249.60	14.40	0.00	249.60	14.40	0.00	3.78	0.22	0.00	245.82	14.18	0.00	0.00	1.09	244.73	14.18	0.00	10.40	0.60	0.00	234.33	13.58	0.00	0.00
15	275.00	19.00	0.00	55.00	0.00	260.00	15.00	10.40	0.60	249.60	14.40	0.00	249.60	14.40	0.00	3.78	0.22	0.00	245.82	14.18	0.00	0.00	1.09	244.73	14.18	0.00	10.40	0.60	0.00	234.33	13.58	0.00	0.00
16	343.00	20.00	0.00	120.00	0.00	327.00	16.00	10.49	0.51	316.51	15.49	0.00	316.51	15.49	0.00	3.81	0.19	0.00	312.70	15.30	0.00	0.00	1.09	311.61	15.30	0.00	10.49	0.51	0.00	301.12	14.79	0.00	0.00
17	374.00	19.00	0.00	86.00	0.00	359.00	15.00	10.56	0.44	348.44	14.56	0.00	348.44	14.56	0.00	3.84	0.16	0.00	344.60	14.40	0.00	0.00	1.09	343.51	14.40	0.00	10.56	0.44	0.00	332.95	13.96	0.00	0.00
18	373.00	19.00	0.00	69.00	0.00	368.00	15.00	10.56	0.44	347.44	14.56	0.00	347.44	14.56	0.00	3.84	0.16	0.00	343.60	14.40	0.00	0.00	1.09	342.51	14.40	0.00	10.56	0.44	0.00	331.96	13.95	0.00	0.00
19	325.00	18.00	0.00	62.00	0.00	311.00	14.00	10.53	0.47	300.47	13.53	0.00	300.47	13.53	0.00	3.83	0.17	0.00	296.65	13.35	0.00	0.00	1.09	295.56	13.35	0.00	10.52	0.48	0.00	285.03	12.88	0.00	0.00
20	3428.00	14.00	0.00	59.00	0.00	3418.00	10.00	10.97	0.03	3407.03	9.97	0.00	3407.03	9.97	0.00	3.99	0.01	0.00	3403.04	9.86	0.00	0.00	1.09	3401.95	9.86	0.00	10.97	0.03	0.00	3390.99	9.92	0.00	0.00
21	4263.00	15.00	0.00	72.00	0.00	4252.00	11.00	10.97	0.03	4241.03	10.97	0.00	4241.03	10.97	0.00	3.99	0.01	0.00	4237.04	10.96	0.00	0.00	1.09	4235.95	10.96	0.00	10.97	0.03	0.00	4224.98	10.93	0.00	0.00
22	1755.00	16.00	0.00	57.00	0.00	1743.00	12.00	10.92	0.08	1732.08	11.92	0.00	1732.08	11.92	0.00	3.97	0.03	0.00	1728.10	11.90	0.00	0.00	1.09	1727.01	11.90	0.00	10.92	0.08	0.00	1716.09	11.82	0.00	0.00
23	1583.00	16.00	0.00	54.00	0.00	1571.00	12.00	10.92	0.08	1560.08	11.92	0.00	1560.08	11.92	0.00	3.97	0.03	0.00	1556.11	11.89	0.00	0.00	0.72	1555.39	11.89	0.00	10.92	0.08	0.00	1544.47	11.80	0.00	0.00
24	2989.00	16.00	0.00	50.00	0.00	2977.00	12.00	10.96	0.04	2966.04	11.96	0.00	2966.04	11.96	0.00	3.98	0.02	0.00	2962.05	11.94	0.00	0.00	0.00	2962.06	11.94	0.00	10.96	0.04	0.00	2951.10	11.90	0.00	0.00
25	4097.00	16.00	0.00	49.00	0.00	4085.00	12.00	10.97	0.03	4074.03	11.97	0.00	4074.03	11.97	0.00	3.99	0.01	0.00	4070.04	11.96	0.00	0.00	0.00</										

REACH 4				REACH 5				REACH 6				REACH 7							
Franchi Dam (RM-36.5)				Franchi Dam (RM-36.5) to Road 16				Road 16 to Road 9				Road 9 to Confluence of Fresno River & San Joaquin River (RM - 0.0)							
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Fresno River Right	Daily Entitlement (FR+BC+SQ)	Accumulated Demand (FR+BC+SQ)	Total Diversion	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Hidden Dam Release	Franchi Dam Release	Below Road 9 WR Entitlement
(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
		63.52					215.28				0.00				192.00				
157.30	63.52	63.52	63.52	191.23	25.00	166.23	91.00	75.23	4.00	71.23	0.00	71.23	31.00	40.23	19.00	21.23	278.77	170.00	50.00
146.88	14.12	63.52	14.12	403.79	25.00	378.79	91.00	287.79	4.00	283.79	0.00	283.79	31.00	252.79	19.00	233.79	211.21	170.00	50.00
145.25	13.75	63.52	13.75	272.16	25.00	247.16	33.28	213.88	4.00	209.88	0.00	209.88	31.00	178.88	19.00	159.88	153.12	112.28	50.00
149.02	13.98	63.52	13.98	339.93	25.00	314.93	0.00	314.93	4.00	310.93	0.00	310.93	31.00	279.93	19.00	260.93	120.07	78.00	50.00
149.96	14.04	63.52	14.04	363.87	25.00	338.87	0.00	338.87	4.00	334.87	0.00	334.87	31.00	303.87	19.00	284.87	120.13	78.00	50.00
144.18	12.82	63.52	12.82	269.09	25.00	244.09	0.00	244.09	4.00	240.09	0.00	240.09	31.00	209.09	19.00	190.09	118.91	78.00	50.00
135.77	14.23	63.52	14.23	463.68	25.00	438.68	0.00	438.68	4.00	434.68	0.00	434.68	31.00	403.68	19.00	384.68	120.32	78.00	50.00
135.70	14.30	63.52	14.30	513.61	25.00	488.61	0.00	488.61	4.00	484.61	0.00	484.61	31.00	453.61	19.00	434.61	120.39	78.00	50.00
136.41	13.59	63.52	13.59	237.32	25.00	212.32	0.00	212.32	4.00	208.32	0.00	208.32	31.00	177.32	19.00	158.32	119.68	78.00	50.00
136.19	13.81	63.52	13.81	288.10	25.00	263.10	0.00	263.10	4.00	259.10	0.00	259.10	31.00	228.10	11.00	217.10	111.90	71.00	42.00
136.30	13.70	63.52	13.70	260.21	25.00	235.21	0.00	235.21	4.00	231.21	0.00	231.21	31.00	200.21	0.00	200.21	40.79	0.00	0.00
136.20	13.80	63.52	13.80	284.11	25.00	259.11	0.00	259.11	4.00	255.11	0.00	255.11	31.00	224.11	0.00	224.11	40.89	0.00	0.00
138.43	13.57	63.52	13.57	233.34	25.00	208.34	0.00	208.34	4.00	204.34	0.00	204.34	31.00	173.34	0.00	173.34	40.56	0.00	0.00
136.42	13.58	63.52	13.58	234.33	25.00	209.33	0.00	209.33	4.00	205.33	0.00	205.33	31.00	174.33	0.00	174.33	40.67	0.00	0.00
136.42	13.58	63.52	13.58	234.33	25.00	209.33	0.00	209.33	4.00	205.33	0.00	205.33	31.00	174.33	0.00	174.33	40.67	0.00	0.00
135.21	14.79	63.52	14.79	301.12	25.00	276.12	0.00	276.12	4.00	272.12	0.00	272.12	31.00	241.12	0.00	241.12	41.88	0.00	0.00
136.04	13.96	63.52	13.96	332.95	25.00	307.95	0.00	307.95	4.00	303.95	0.00	303.95	31.00	272.95	0.00	272.95	41.05	0.00	0.00
136.05	13.95	63.52	13.95	331.96	25.00	306.96	0.00	306.96	4.00	302.96	0.00	302.96	31.00	271.96	0.00	271.96	41.04	0.00	0.00
137.12	12.88	63.52	12.88	285.03	25.00	260.03	0.00	260.03	4.00	256.03	0.00	256.03	31.00	225.03	0.00	225.03	39.97	0.00	0.00
140.08	9.92	63.52	9.92	3390.99	25.00	3365.99	0.00	3365.99	4.00	3361.99	0.00	3361.99	31.00	3330.99	0.00	3330.99	37.01	0.00	0.00
139.07	10.93	63.52	10.93	4224.98	25.00	4199.98	0.00	4199.98	4.00	4195.98	0.00	4195.98	31.00	4164.98	0.00	4164.98	38.02	0.00	0.00
138.16	11.82	63.52	11.82	1716.09	25.00	1691.09	0.00	1691.09	4.00	1687.09	0.00	1687.09	31.00	1656.09	0.00	1656.09	38.91	0.00	0.00
138.20	11.80	63.52	11.80	1544.47	25.00	1519.47	0.00	1519.47	4.00	1515.47	0.00	1515.47	31.00	1484.47	0.00	1484.47	38.53	0.00	0.00
138.10	11.90	63.52	11.90	2951.10	25.00	2926.10	0.00	2926.10	4.00	2922.10	0.00	2922.10	31.00	2891.10	0.00	2891.10	37.90	0.00	0.00
139.08	11.92	63.52	11.92	4059.08	25.00	4034.08	0.00	4034.08	4.00	4030.08	0.00	4030.08	31.00	3999.08	0.00	3999.08	37.92	0.00	0.00
140.15	11.85	63.52	11.85	2082.15	25.00	2057.15	0.00	2057.15	4.00	2053.15	0.00	2053.15	31.00	2022.15	0.00	2022.15	37.85	0.00	0.00
144.29	5.71	63.52	5.71	1636.29	25.00	1611.29	0.00	1611.29	4.00	1607.29	0.00	1607.29	31.00	1576.29	0.00	1576.29	31.71	0.00	0.00
138.27	11.73	63.52	11.73	1115.27	25.00	1090.27	0.00	1090.27	4.00	1086.27	0.00	1086.27	31.00	1055.27	0.00	1055.27	37.73	0.00	0.00
138.34	11.66	63.52	11.66	891.34	25.00	866.34	0.00	866.34	4.00	862.34	0.00	862.34	31.00	831.34	0.00	831.34	37.66	0.00	0.00
135.45	14.54	63.52	14.54	602.46	25.00	577.46	0.00	577.46	4.00	573.46	0.00	573.46	31.00	542.46	0.00	542.46	40.54	0.00	0.00
138.38	11.62	63.52	11.62	785.38	25.00	760.38	0.00	760.38	4.00	756.38	0.00	756.38	31.00	725.38	0.00	725.38	37.62	0.00	0.00
4332.44	447.38		447.38	31039.76	775.00	30264.76	215.28	30049.48	124.00	29925.48	0.00	29925.48	951.00	28964.48	192.00	28782.48	2294.52	997.20	492.00
8593.39	887.38		887.38	61587.35	1537.21	60050.14	427.00	59803.14	245.95	59557.19	0.00	59357.19	1905.14	57451.04	361.00	57090.04	4551.18	1978.10	975.89

Fresno River Model 99-001-R-1A (Revised Reclamation River Model R-1) 3_30_10 Update												
Part I												
Year		2011										
Month		February										
Days in Month		28										
Part II												
Irrigation Demands Acre-feet	Reach 1 (month)	Reach 2 (month)		Reach 3 (month)	Reach 4 (monthly)	Reach 5 (month)	Reach 6 (month)	Reach 7 (month)				
		Other	MID									
January	0	0	0	0	0	0	0	0				
February	0	41	0	74	526	351	0	288				
March												
April												
May												
June												
July												
August												
September												
October												
November												
December	0	0	0	0	0	0	0	0				
Part III												
Diversion Capacity	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7				
		Other	MID									
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)				
	2	1.09	0	22.36	300	91	0	50				
Part IV												
Channel Loss	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7				
		(cfs)	(cfs)						(cfs)	(cfs)	(cfs)	(cfs)
	11	4		11	0	25	4	31				
Part V												
	Hensley Reservoir Total Inflow (CORP Calculation)	Big Creek Recorder #11267350 Previous Day	North Fork Willow Creek Recorder #11242400 Flows	Imported Flow from Madera Canal	Soquel Ditch Via Hidden Dam							
						(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
February												
1	107.00	20	35.00	0.00	0.00							
2	153.00	20	34.00	0.00	0.00							
3	150.00	19	33.00	0.00	0.00							
4	147.00	19	33.00	0.00	0.00							
5	142.00	19	34.00	0.00	0.00							
6	169.00	19	35.00	0.00	0.00							
7	135.00	19	37.00	0.00	0.00							
8	124.00	19	37.00	0.00	0.00							
9	114.00	19	35.00	0.00	0.00							
10	151.00	18	34.00	0.00	0.00							
11	115.00	18	33.00	0.00	0.00							
12	131.00	18	32.00	0.00	0.00							
13	83.00	18	32.00	0.00	0.00							
14	163.00	18	32.00	0.00	0.00							
15	86.00	18	32.00	0.00	0.00							
16	229.00	18	38.00	0.00	0.00							
17	274.00	18	35.00	0.00	0.00							
18	367.00	18	36.00	0.00	0.00							
19	1905.00	18	296.00	0.00	0.00							
20	754.00	18	74.00	0.00	0.00							
21	498.00	19	32.00	0.00	0.00							
22	397.00	18	31.00	0.00	0.00							
23	322.00	18	30.00	0.00	0.00							
24	316.00	18	30.00	0.00	0.00							
25	556.00	18	29.00	0.00	0.00							
26	971.00	18	30.00	0.00	0.00							
27	466.00	18	29.00	0.00	0.00							
28	382.00	21	29.00	0.00	0.00							
Total (cfs)	9407.00	519.00	1227.00	0.00	0.00							
Total (ac-ft)	18658.78	1029.44	2433.75	0.00	0.00							

	INPUT DATA					REACH 1							REACH 2										REACH 3										
						Hidden Dam (RM-49.0) to Madera Canal							Madera Canal to Head Island (RM - 41.9)										Head Island (RM - 41.9) to Franchi Dam (RM-36.5)										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	Hensley Reservoir Calculated Inflow	Big Creek Diversion	North Fork Willow Creek Diversion - Sequel Ditch	North Fork Willow Creek	Imported Water from Madera Canal	Fresno River	Imports (Big Creek & Sequel) (less 4 cfs)	Fresno River Losses	Import Losses	Remaining Fresno River	Remaining Imports	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Import	Remaining Madera Canal	Madera Canal Demand	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Imports	Remaining Madera Canal	Fresno River Demand
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	
February												0.00										0.00	20.67									37.31	
1	107.00	20.00	0.00	35.00	0.00	91.00	16.00	9.36	1.64	81.64	14.36	0.00	81.64	14.36	0.00	3.40	0.60	0.00	78.24	13.76	0.00	0.00	1.09	77.16	13.76	0.00	9.34	1.66	0.00	67.82	12.09	0.00	22.36
2	153.00	20.00	0.00	34.00	0.00	137.00	16.00	9.85	1.15	127.15	14.85	0.00	127.15	14.85	0.00	3.58	0.42	0.00	123.57	14.43	0.00	0.00	1.09	122.48	14.43	0.00	9.84	1.16	0.00	112.64	13.27	0.00	14.95
3	150.00	19.00	0.00	33.00	0.00	135.00	15.00	9.90	1.10	125.10	13.90	0.00	125.10	13.90	0.00	3.60	0.40	0.00	121.50	13.50	0.00	0.00	1.09	120.41	13.50	0.00	9.89	1.11	0.00	110.52	12.39	0.00	0.00
4	147.00	19.00	0.00	33.00	0.00	132.00	15.00	9.88	1.12	122.12	13.88	0.00	122.12	13.88	0.00	3.59	0.41	0.00	118.53	13.47	0.00	0.00	1.09	117.44	13.47	0.00	9.87	1.13	0.00	107.57	12.34	0.00	0.00
5	142.00	19.00	0.00	34.00	0.00	127.00	15.00	9.84	1.16	117.16	13.84	0.00	117.16	13.84	0.00	3.58	0.42	0.00	113.58	13.42	0.00	0.00	1.09	112.49	13.42	0.00	9.83	1.17	0.00	102.67	12.24	0.00	0.00
6	169.00	19.00	0.00	35.00	0.00	154.00	15.00	10.02	0.98	143.98	14.02	0.00	143.98	14.02	0.00	3.54	0.36	0.00	140.33	13.67	0.00	0.00	1.09	139.24	13.67	0.00	10.02	0.98	0.00	129.22	12.69	0.00	0.00
7	135.00	19.00	0.00	37.00	0.00	120.00	15.00	9.78	1.22	110.22	13.78	0.00	110.22	13.78	0.00	3.56	0.44	0.00	106.67	13.33	0.00	0.00	1.09	105.58	13.33	0.00	9.77	1.23	0.00	95.81	12.10	0.00	0.00
8	124.00	19.00	0.00	37.00	0.00	109.00	15.00	9.67	1.33	99.33	13.67	0.00	99.33	13.67	0.00	3.52	0.48	0.00	95.81	13.19	0.00	0.00	1.09	94.72	13.19	0.00	9.66	1.34	0.00	85.07	11.84	0.00	0.00
9	114.00	19.00	0.00	35.00	0.00	99.00	15.00	9.55	1.45	89.45	13.55	0.00	89.45	13.55	0.00	3.47	0.53	0.00	85.97	13.03	0.00	0.00	1.09	84.88	13.03	0.00	9.54	1.46	0.00	75.35	11.56	0.00	0.00
10	151.00	18.00	0.00	34.00	0.00	137.00	14.00	9.98	1.02	127.02	12.98	0.00	127.02	12.98	0.00	3.63	0.37	0.00	123.39	12.61	0.00	0.00	1.09	122.30	12.61	0.00	9.97	1.03	0.00	112.33	11.58	0.00	0.00
11	115.00	18.00	0.00	33.00	0.00	101.00	14.00	9.66	1.34	91.34	12.66	0.00	91.34	12.66	0.00	3.51	0.49	0.00	87.83	12.17	0.00	0.00	1.09	86.74	12.17	0.00	9.65	1.35	0.00	77.09	10.82	0.00	0.00
12	131.00	18.00	0.00	32.00	0.00	117.00	14.00	9.82	1.18	107.18	12.82	0.00	107.18	12.82	0.00	3.57	0.43	0.00	103.60	12.40	0.00	0.00	1.09	102.51	12.40	0.00	9.81	1.19	0.00	92.70	11.21	0.00	0.00
13	83.00	18.00	0.00	32.00	0.00	69.00	14.00	9.14	1.86	59.86	12.14	0.00	59.86	12.14	0.00	3.33	0.67	0.00	56.53	11.47	0.00	0.00	1.09	55.44	11.47	0.00	9.11	1.89	0.00	45.33	9.58	0.00	0.00
14	163.00	18.00	0.00	32.00	0.00	149.00	14.00	10.06	0.94	138.94	13.06	0.00	138.94	13.06	0.00	3.66	0.34	0.00	135.29	12.71	0.00	0.00	1.09	134.20	12.71	0.00	10.06	0.95	0.00	124.15	11.76	0.00	0.00
15	86.00	18.00	0.00	32.00	0.00	72.00	14.00	9.21	1.79	62.79	12.21	0.00	62.79	12.21	0.00	3.35	0.65	0.00	59.44	11.56	0.00	0.00	1.09	58.35	11.56	0.00	9.18	1.82	0.00	49.17	9.74	0.00	0.00
16	229.00	18.00	0.00	38.00	0.00	215.00	14.00	10.33	0.67	204.67	13.33	0.00	204.67	13.33	0.00	3.76	0.24	0.00	200.92	13.08	0.00	0.00	1.09	199.83	13.08	0.00	10.32	0.68	0.00	189.50	12.41	0.00	0.00
17	274.00	18.00	0.00	35.00	0.00	260.00	14.00	10.44	0.56	249.56	13.44	0.00	249.56	13.44	0.00	3.80	0.20	0.00	245.77	13.23	0.00	0.00	1.09	244.68	13.23	0.00	10.44	0.56	0.00	234.24	12.67	0.00	0.00
18	367.00	18.00	0.00	36.00	0.00	353.00	14.00	10.58	0.42	342.42	13.58	0.00	342.42	13.58	0.00	3.85	0.15	0.00	338.57	13.43	0.00	0.00	1.09	337.48	13.43	0.00	10.58	0.42	0.00	326.90	13.01	0.00	0.00
19	1905.00	18.00	0.00	296.00	0.00	1891.00	14.00	10.92	0.08	1880.08	13.92	0.00	1880.08	13.92	0.00	3.97	0.03	0.00	1876.11	13.89	0.00	0.00	1.05	1875.06	13.89	0.00	10.92	0.08	0.00	1864.14	13.81	0.00	0.00
20	754.00	18.00	0.00	74.00	0.00	740.00	14.00	10.80	0.20	729.20	13.80	0.00	729.20	13.80	0.00	3.93	0.07	0.00	725.28	13.72	0.00	0.00	0.00	725.28	13.72	0.00	10.80	0.20	0.00	714.48	13.52	0.00	0.00
21	498.00	19.00	0.00	32.00	0.00	483.00	15.00	10.67	0.33	472.33	14.67	0.00	472.33	14.67	0.00	3.88	0.12	0.00	468.45	14.55	0.00	0.00	0.00	468.45	14.55	0.00	10.67	0.33	0.00	457.78	14.22	0.00	0.00
22	397.00	18.00	0.00	31.00	0.00	383.00	14.00	10.61	0.39	372.39	13.61	0.00	372.39	13.61	0.00	3.86	0.14	0.00	368.53	13.47	0.00	0.00	0.00	368.53	13.47	0.00	10.61	0.39	0.00	357.92	13.08	0.00	0.00
23	322.00	18.00	0.00	30.00	0.00	308.00	14.00	10.52	0.48	297.48	13.52	0.00	297.48	13.52	0.00	3.83	0.17	0.00	293.65	13.35	0.00	0.00	0.00	293.65	13.35	0.00	10.52	0.48	0.00	283.13	12.87	0.00	0.00
24	316.00	18.00	0.00	30.00	0.00	302.00	14.00	10.51	0.49	291.49	13.51	0.00	291.49	13.51	0.00	3.82	0.18	0.00	287.66	13.34	0.00	0.00	0.00	287.66	13.34	0.00	10.51	0.49	0.00	277.15	12.85	0.00	0.00
25	556.00	18.00	0.00	29.00	0.00	542.00	14.00	10.72	0.28	531.28	13.72	0.00	531.28	13.72	0.00	3.90	0.10	0.00	527.38	13.62	0.00	0.00	0.00	527.38	13.62	0.00	10.72	0.28	0.00	516.65	13.35	0.00	0.00
26	971.00	18.00	0.00	30.00	0.00	957.00	14.00	10.84	0.16	946.16	13.84	0.00	946.16	13.84	0.00	3.94	0.06	0.00	942.22	13.78	0.00	0.00	0.00	942.22	13.78	0.00	10.84	0.16	0.00	931.37	13.63	0.00	0.00
27	466.00	18.00	0.00	29.00	0.00	452.00	14.00	10.67	0.33	441.33	13.																						

REACH 4							REACH 5				REACH 6				REACH 7							
Franchi Dam (RM-36.5)							Franchi Dam (RM-36.5) to Road 16				Road 16 to Road 9				Road 9 to Confluence of Fresno River & San Joaquin River (RM - 0.0)							
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Fresno River	Imports	Madera Canal	Fresno River Right	Daily Entitlement (FR+BC+SQ)	Accumulated Demand (FR+BC+SQ)	Total Diversion	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Hidden Dam Release	Franchi Dam Release	Below Road 9 WR Entitlement
(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
					265.19					178.99				0.00				145.20				
45.46	12.09	0.00	45.46	57.55	57.55	57.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.00	0.00	0.00
97.69	13.27	0.00	97.69	110.96	168.51	110.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.00	0.00	0.00
110.52	12.39	0.00	110.52	96.68	265.19	96.68	26.23	25.00	1.23	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00	26.23	0.00
107.57	12.34	0.00	107.57	12.34	265.19	12.34	107.57	25.00	82.57	82.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.00	107.57	0.00
102.67	12.24	0.00	102.67	12.24	265.19	12.24	102.67	25.00	77.67	77.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142.00	102.67	0.00
129.22	12.69	0.00	129.22	12.69	265.19	12.69	129.22	25.00	104.22	15.49	88.74	4.00	84.74	0.00	84.74	31.00	53.74	19.00	34.74	134.26	94.49	50.00
95.81	12.10	0.00	95.81	12.10	265.19	12.10	95.81	25.00	70.81	0.00	70.81	4.00	66.81	0.00	66.81	31.00	35.81	19.00	16.81	118.19	79.00	50.00
85.07	11.84	0.00	85.07	11.84	265.19	11.84	85.07	25.00	60.07	0.00	60.07	4.00	56.07	0.00	56.07	31.00	25.07	19.00	6.07	117.93	79.00	50.00
75.35	11.58	0.00	75.35	11.58	265.19	11.58	75.35	25.00	50.35	0.00	50.35	4.00	46.35	0.00	46.35	31.00	15.35	15.35	0.00	114.00	75.35	46.35
112.33	11.58	0.00	112.33	11.58	265.19	11.58	112.33	25.00	87.33	0.00	87.33	4.00	83.33	0.00	83.33	31.00	52.33	19.00	33.33	117.67	79.00	50.00
77.09	10.82	0.00	77.09	10.82	265.19	10.82	77.09	25.00	52.09	0.00	52.09	4.00	48.09	0.00	48.09	31.00	17.09	17.09	0.00	115.00	77.09	48.09
92.70	11.21	0.00	92.70	11.21	265.19	11.21	92.70	25.00	67.70	0.00	67.70	4.00	63.70	0.00	63.70	31.00	32.70	19.00	13.70	117.30	79.00	50.00
46.33	9.58	0.00	46.33	9.58	265.19	9.58	46.33	25.00	21.33	0.00	21.33	4.00	17.33	0.00	17.33	17.33	0.00	0.00	0.00	36.67	0.00	17.33
124.15	11.76	0.00	124.15	11.76	265.19	11.76	124.15	25.00	99.15	0.00	99.15	4.00	95.15	0.00	95.15	31.00	64.15	17.76	46.39	116.61	77.76	48.76
49.17	9.74	0.00	49.17	9.74	265.19	9.74	49.17	25.00	24.17	0.00	24.17	4.00	20.17	0.00	20.17	20.17	0.00	0.00	0.00	36.83	0.00	0.00
189.50	12.41	0.00	189.50	12.41	265.19	12.41	189.50	25.00	164.50	0.00	164.50	4.00	160.50	0.00	160.50	31.00	129.50	0.00	129.50	39.50	0.00	0.00
234.24	12.67	0.00	234.24	12.67	265.19	12.67	234.24	25.00	209.24	0.00	209.24	4.00	205.24	0.00	205.24	31.00	174.24	0.00	174.24	39.76	0.00	0.00
326.90	13.01	0.00	326.90	13.01	265.19	13.01	326.90	25.00	301.90	0.00	301.90	4.00	297.90	0.00	297.90	31.00	266.90	0.00	266.90	40.10	0.00	0.00
1864.14	13.81	0.00	1864.14	13.81	265.19	13.81	1864.14	25.00	1839.14	0.00	1839.14	4.00	1835.14	0.00	1835.14	31.00	1804.14	0.00	1804.14	40.86	0.00	0.00
714.48	13.52	0.00	714.48	13.52	265.19	13.52	714.48	25.00	689.48	0.00	689.48	4.00	685.48	0.00	685.48	31.00	654.48	0.00	654.48	39.52	0.00	0.00
457.78	14.22	0.00	457.78	14.22	265.19	14.22	457.78	25.00	432.78	0.00	432.78	4.00	428.78	0.00	428.78	31.00	397.78	0.00	397.78	40.22	0.00	0.00
357.92	13.08	0.00	357.92	13.08	265.19	13.08	357.92	25.00	332.92	0.00	332.92	4.00	328.92	0.00	328.92	31.00	297.92	0.00	297.92	39.08	0.00	0.00
283.13	12.87	0.00	283.13	12.87	265.19	12.87	283.13	25.00	258.13	0.00	258.13	4.00	254.13	0.00	254.13	31.00	223.13	0.00	223.13	38.87	0.00	0.00
277.15	12.85	0.00	277.15	12.85	265.19	12.85	277.15	25.00	252.15	0.00	252.15	4.00	248.15	0.00	248.15	31.00	217.15	0.00	217.15	38.85	0.00	0.00
516.65	13.35	0.00	516.65	13.35	265.19	13.35	516.65	25.00	491.65	0.00	491.65	4.00	487.65	0.00	487.65	31.00	456.65	0.00	456.65	39.35	0.00	0.00
931.37	13.63	0.00	931.37	13.63	265.19	13.63	931.37	25.00	906.37	0.00	906.37	4.00	902.37	0.00	902.37	31.00	871.37	0.00	871.37	39.63	0.00	0.00
426.78	13.22	0.00	426.78	13.22	265.19	13.22	426.78	25.00	401.78	0.00	401.78	4.00	397.78	0.00	397.78	31.00	366.78	0.00	366.78	39.22	0.00	0.00
340.16	15.84	0.00	340.16	15.84	265.19	15.84	340.16	25.00	315.16	0.00	315.16	4.00	311.16	0.00	311.16	31.00	280.16	0.00	280.16	41.84	0.00	0.00
8271.34	349.58	0.00	3327.66	577.11		577.11	8043.91	630.00	7393.91	176.96	7216.95	92.00	7124.95	0.00	7124.95	688.50	6436.45	145.20	6291.26	2240.25	877.16	410.52
16406.21	693.59	0.00	6600.42	1144.70		1144.70	15955.09	1289.28	14665.82	351.00	14314.82	182.48	14132.34	0.00	14132.34	1365.63	12766.70	288.00	12478.70	4443.53	1738.84	814.27

Fresno River Model 99-001-R-1A (Revised Reclamation River Model R-1) 3_30_10 Update											
Part I											
Year	2011										
Month	April										
Days in Month	30										
Part II											
Irrigation Demands Acre-feet	Reach 1 (month)	Reach 2 (month)		Reach 3 (month)	Reach 4 (monthly)	Reach 5 (month)	Reach 6 (month)	Reach 7 (month)			
		Other	MID								
January	0	0	0	0	0	0	0	0			
February	0	41	0	74	526	351	0	288			
March	0	49	0	38	126	427	0	361			
April	0	281	0	613	4153	2381	0	2232			
May											
June											
July											
August											
September											
October											
November											
December	0	0	0	0	0	0	0	0			
Part III											
Diversion Capacity	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7			
		Other	MID								
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)			
	2	1.09	0	22.36	300	91	0	60			
Part IV											
Channel Loss	Reach 1	Reach 2		Reach 3	Reach 4	Reach 5	Reach 6	Reach 7			
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)			
	11		4	11	0	25	4	31			
Part V											
	Hensley Reservoir Total Inflow (CORP Calculation)	Big Creek Recorder #11267350 Previous Day	North Fork Willow Creek Recorder #11242400 Flows	Imported Flow from Madera Canal	Soquel Ditch Via Hidden Dam						
						(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
April											
1	843.00	20	93.00	0.00	0.00						
2	899.00	23	107.00	0.00	0.00						
3	697.00	25	109.00	0.00	0.00						
4	653.00	25	107.00	0.00	0.00						
5	759.00	25	122.00	0.00	0.00						
6	564.00	25	128.00	0.00	0.00						
7	626.00	25	121.00	0.00	0.00						
8	659.00	25	104.00	0.00	0.00						
9	653.00	25	94.00	0.00	0.00						
10	454.00	27	90.00	0.00	0.00						
11	457.00	28	90.00	0.00	0.00						
12	446.00	28	92.00	0.00	0.00						
13	376.00	28	92.00	0.00	0.00						
14	389.00	28	87.00	0.00	0.00						
15	436.00	29	93.00	0.00	0.00						
16	333.00	29	110.00	0.00	0.00						
17	432.00	26	129.00	0.00	0.00						
18	372.00	20	141.00	0.00	0.00						
19	352.00	20	141.00	0.00	0.00						
20	353.00	18	147.00	0.00	0.00						
21	365.00	17	149.00	0.00	0.00						
22	313.00	17	141.00	0.00	0.00						
23	336.00	17	131.00	0.00	0.00						
24	353.00	17	127.00	0.00	0.00						
25	254.00	17	124.00	0.00	0.00						
26	290.00	17	126.00	0.00	0.00						
27	266.00	17	133.00	0.00	0.00						
28	288.00	17	141.00	0.00	0.00						
29	252.00	17	139.00	0.00	0.00						
30	265.00	17	134.00	0.00	0.00						
31											
Total (cfs)	13735.00	669.00	3542.00	0.00	0.00						
Total (ac-ft)	27243.37	1326.96	7025.56	0.00	0.00						

	INPUT DATA					REACH 1							REACH 2											REACH 3										
						Hidden Dam (RM-49.0) to Madera Canal							Madera Canal to Head Island (RM - 41.9)											Head Island (RM - 41.9) to Franchi Dam (RM-36.5)										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
	Hensley Reservoir Calculated Inflow	Big Creek Diversion	North Fork Willow Creek Diversion - Sequel Ditch	North Fork Willow Creek	Imported Water from Madera Canal	Fresno River	Imports (Big Creek & Sequel) (less 4 cfs)	Fresno River Losses	Import Losses	Remaining Fresno River	Remaining Imports	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Import	Remaining Madera Canal	Madera Canal Demand	Fresno River Demand	Fresno River	Imports	Madera Canal	Fresno River Losses	Import Losses	Madera Canal Losses	Remaining Fresno River	Remaining Imports	Remaining Madera Canal	Fresno River Demand	
	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		
April												0.00										0.00	141.87								309.05			
1	843.00	20.00	0.00	93.00	0.00	827.00	16.00	10.79	0.21	816.21	15.79	0.00	816.21	15.79	0.00	3.92	0.08	0.00	812.28	15.72	0.00	0.00	1.09	811.19	15.72	0.00	10.79	0.21	0.00	800.40	15.51	0.00	22.36	
2	899.00	23.00	0.00	107.00	0.00	880.00	19.00	10.77	0.23	869.23	18.77	0.00	869.23	18.77	0.00	3.92	0.08	0.00	865.32	18.68	0.00	0.00	1.09	864.23	18.68	0.00	10.77	0.23	0.00	853.46	18.45	0.00	22.36	
3	697.00	25.00	0.00	109.00	0.00	676.00	21.00	10.67	0.33	665.33	20.67	0.00	665.33	20.67	0.00	3.88	0.12	0.00	661.45	20.55	0.00	0.00	1.09	660.36	20.55	0.00	10.67	0.33	0.00	649.69	20.22	0.00	22.36	
4	653.00	25.00	0.00	107.00	0.00	632.00	21.00	10.65	0.35	621.35	20.65	0.00	621.35	20.65	0.00	3.87	0.13	0.00	617.48	20.52	0.00	0.00	1.09	616.39	20.52	0.00	10.65	0.35	0.00	605.75	20.16	0.00	22.36	
5	759.00	25.00	0.00	122.00	0.00	738.00	21.00	10.70	0.30	727.30	20.70	0.00	727.30	20.70	0.00	3.89	0.11	0.00	723.42	20.58	0.00	0.00	1.09	722.33	20.58	0.00	10.70	0.30	0.00	711.63	20.28	0.00	22.36	
6	564.00	25.00	0.00	128.00	0.00	543.00	21.00	10.59	0.41	532.41	20.59	0.00	532.41	20.59	0.00	3.85	0.15	0.00	528.56	20.44	0.00	0.00	1.09	527.47	20.44	0.00	10.59	0.41	0.00	516.88	20.03	0.00	22.36	
7	626.00	25.00	0.00	121.00	0.00	605.00	21.00	10.63	0.37	594.37	20.63	0.00	594.37	20.63	0.00	3.87	0.13	0.00	590.50	20.50	0.00	0.00	1.09	589.41	20.50	0.00	10.63	0.37	0.00	578.78	20.13	0.00	22.36	
8	659.00	25.00	0.00	104.00	0.00	638.00	21.00	10.65	0.35	627.35	20.65	0.00	627.35	20.65	0.00	3.87	0.13	0.00	623.48	20.52	0.00	0.00	1.09	622.39	20.52	0.00	10.65	0.35	0.00	611.74	20.17	0.00	22.36	
9	653.00	25.00	0.00	94.00	0.00	632.00	21.00	10.65	0.35	621.35	20.65	0.00	621.35	20.65	0.00	3.87	0.13	0.00	617.48	20.52	0.00	0.00	1.09	616.39	20.52	0.00	10.65	0.35	0.00	605.75	20.16	0.00	22.36	
10	454.00	27.00	0.00	90.00	0.00	431.00	23.00	10.44	0.56	420.56	22.44	0.00	420.56	22.44	0.00	3.80	0.20	0.00	416.76	22.24	0.00	0.00	1.09	415.67	22.24	0.00	10.44	0.56	0.00	405.23	21.68	0.00	22.36	
11	457.00	28.00	0.00	90.00	0.00	433.00	24.00	10.42	0.58	422.58	23.42	0.00	422.58	23.42	0.00	3.79	0.21	0.00	418.79	23.21	0.00	0.00	1.09	417.70	23.21	0.00	10.42	0.58	0.00	407.28	22.63	0.00	22.36	
12	446.00	28.00	0.00	92.00	0.00	422.00	24.00	10.41	0.59	411.59	23.41	0.00	411.59	23.41	0.00	3.78	0.22	0.00	407.81	23.19	0.00	0.00	1.09	406.72	23.19	0.00	10.41	0.59	0.00	396.31	22.60	0.00	22.36	
13	376.00	28.00	0.00	92.00	0.00	352.00	24.00	10.30	0.70	341.70	23.30	0.00	341.70	23.30	0.00	3.74	0.26	0.00	337.96	23.04	0.00	0.00	1.09	336.87	23.04	0.00	10.30	0.70	0.00	326.57	22.34	0.00	22.36	
14	389.00	28.00	0.00	87.00	0.00	365.00	24.00	10.32	0.68	354.68	23.32	0.00	354.68	23.32	0.00	3.75	0.25	0.00	350.93	23.07	0.00	0.00	1.09	349.84	23.07	0.00	10.32	0.68	0.00	339.52	22.39	0.00	18.37	
15	436.00	29.00	0.00	93.00	0.00	411.00	25.00	10.37	0.63	400.63	24.37	0.00	400.63	24.37	0.00	3.77	0.23	0.00	396.86	24.14	0.00	0.00	1.09	395.77	24.14	0.00	10.37	0.63	0.00	385.40	23.51	0.00	0.00	
16	333.00	29.00	0.00	110.00	0.00	308.00	25.00	10.17	0.83	297.83	24.17	0.00	297.83	24.17	0.00	3.70	0.30	0.00	294.13	23.87	0.00	0.00	1.09	293.04	23.87	0.00	10.17	0.83	0.00	282.86	23.05	0.00	0.00	
17	432.00	26.00	0.00	129.00	0.00	410.00	22.00	10.44	0.56	399.56	21.44	0.00	399.56	21.44	0.00	3.80	0.20	0.00	395.76	21.24	0.00	0.00	1.09	394.67	21.24	0.00	10.44	0.56	0.00	384.24	20.67	0.00	0.00	
18	372.00	20.00	0.00	141.00	0.00	356.00	16.00	10.53	0.47	345.47	15.53	0.00	345.47	15.53	0.00	3.83	0.17	0.00	341.65	15.35	0.00	0.00	1.09	340.56	15.35	0.00	10.53	0.47	0.00	330.03	14.88	0.00	0.00	
19	352.00	20.00	0.00	141.00	0.00	336.00	16.00	10.50	0.50	325.50	15.50	0.00	325.50	15.50	0.00	3.82	0.18	0.00	321.68	15.32	0.00	0.00	1.09	320.59	15.32	0.00	10.50	0.50	0.00	310.09	14.82	0.00	0.00	
20	353.00	18.00	0.00	147.00	0.00	339.00	14.00	10.56	0.44	328.44	13.56	0.00	328.44	13.56	0.00	3.84	0.16	0.00	324.59	13.41	0.00	0.00	1.09	323.50	13.41	0.00	10.56	0.44	0.00	312.94	12.97	0.00	0.00	
21	365.00	17.00	0.00	149.00	0.00	352.00	13.00	10.61	0.39	341.39	12.61	0.00	341.39	12.61	0.00	3.86	0.14	0.00	337.53	12.47	0.00	0.00	1.09	336.44	12.47	0.00	10.61	0.39	0.00	325.84	12.07	0.00	0.00	
22	313.00	17.00	0.00	141.00	0.00	300.00	13.00	10.54	0.46	289.46	12.54	0.00	289.46	12.54	0.00	3.83	0.17	0.00	285.62	12.38	0.00	0.00	1.09	284.53	12.38	0.00	10.54	0.46	0.00	273.99	11.92	0.00	0.00	
23	336.00	17.00	0.00	131.00	0.00	323.00	13.00	10.57	0.43	312.43	12.57	0.00	312.43	12.57	0.00	3.85	0.15	0.00	308.58	12.42	0.00	0.00	1.09	307.49	12.42	0.00	10.57	0.43	0.00	296.92	11.99	0.00	0.00	
24	353.00	17.00	0.00	127.00	0.00	340.00	13.00	10.59	0.41	329.41	12.59	0.00	329.41	12.59	0.00	3.85	0.15	0.00	325.55	12.45	0.00	0.00	1.09	324.46	12.45	0.00	10.59	0.41	0.00	313.87	12.04	0.00	0.00	
25	254.00	17.00	0.00	124.00	0.00	241.00	13.00	10.44	0.56	230.56	12.44	0.00	230.56	12.44	0.00	3.80	0.20	0.00	226.77	12.23	0.00	0.00	1.09	225.68	12.23	0.00	10.43	0.57	0.00					

REACH 4							REACH 5				REACH 6				REACH 7							
Franchi Dam (RM-36.5)							Franchi Dam (RM-36.5) to Road 16				Road 16 to Road 9				Road 9 to Confluence of Fresno River & San Joaquin River (RM - 0.0)							
34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Fresno River	Imports	Madera Canal	Fresno River Right	Daily Entitlement (FR+BC+SQ)	Accumulated Demand (FR+BC+SQ)	Total Diversion	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Fresno River Losses	Remaining Fresno River	Fresno River Demand	Fresno River	Hidden Dam Release	Franchi Dam Release	Below Road 9 WR Entitlement
(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
					2093.77					1200.40				0.00				1125.28				
778.04	15.51	0.00	134.49	150.00	150.00	150.00	643.55	25.00	618.55	91.00	527.55	4.00	523.55	0.00	523.55	31.00	492.55	29.00	463.55	379.45	180.00	60.00
831.10	18.45	0.00	131.55	150.00	300.00	150.00	699.55	25.00	674.55	91.00	583.55	4.00	579.55	0.00	579.55	31.00	548.55	29.00	519.55	379.45	180.00	60.00
627.33	20.22	0.00	129.78	150.00	450.00	150.00	497.55	25.00	472.55	91.00	381.55	4.00	377.55	0.00	377.55	31.00	346.55	29.00	317.55	379.45	180.00	60.00
583.39	20.16	0.00	129.84	150.00	600.00	150.00	453.55	25.00	428.55	91.00	337.55	4.00	333.55	0.00	333.55	31.00	302.55	29.00	273.55	379.45	180.00	60.00
689.27	20.28	0.00	129.72	150.00	750.00	150.00	559.55	25.00	534.55	91.00	443.55	4.00	439.55	0.00	439.55	31.00	408.55	29.00	379.55	379.45	180.00	60.00
494.52	20.03	0.00	129.97	150.00	900.00	150.00	364.55	25.00	339.55	91.00	248.55	4.00	244.55	0.00	244.55	31.00	213.55	29.00	184.55	379.45	180.00	60.00
556.42	20.13	0.00	129.87	150.00	1050.00	150.00	426.55	25.00	401.55	91.00	310.55	4.00	306.55	0.00	306.55	31.00	275.55	29.00	246.55	379.45	180.00	60.00
589.38	20.17	0.00	129.83	150.00	1200.00	150.00	459.55	25.00	434.55	91.00	343.55	4.00	339.55	0.00	339.55	31.00	308.55	29.00	279.55	379.45	180.00	60.00
583.39	20.16	0.00	129.84	150.00	1350.00	150.00	453.55	25.00	428.55	91.00	337.55	4.00	333.55	0.00	333.55	31.00	302.55	29.00	273.55	379.45	180.00	60.00
382.87	21.68	0.00	128.32	150.00	1500.00	150.00	254.55	25.00	229.55	91.00	138.55	4.00	134.55	0.00	134.55	31.00	103.55	29.00	74.55	379.45	180.00	60.00
384.92	22.63	0.00	127.37	150.00	1650.00	150.00	257.55	25.00	232.55	91.00	141.55	4.00	137.55	0.00	137.55	31.00	106.55	29.00	77.55	379.45	180.00	60.00
373.95	22.60	0.00	127.40	150.00	1800.00	150.00	246.55	25.00	221.55	91.00	130.55	4.00	126.55	0.00	126.55	31.00	95.55	29.00	66.55	379.45	180.00	60.00
304.21	22.34	0.00	127.66	150.00	1950.00	150.00	176.55	25.00	151.55	91.00	60.55	4.00	56.55	0.00	56.55	31.00	25.55	25.55	0.00	376.00	176.55	56.55
321.15	22.39	0.00	127.61	143.77	2093.77	143.77	199.77	25.00	174.77	17.40	157.36	4.00	153.36	0.00	153.36	31.00	122.36	29.00	93.36	295.64	106.40	60.00
385.40	23.51	0.00	126.49	23.51	2093.77	23.51	385.40	25.00	360.40	0.00	360.40	4.00	356.40	0.00	356.40	31.00	325.40	29.00	296.40	139.60	89.00	60.00
282.86	23.05	0.00	126.95	23.05	2093.77	23.05	282.86	25.00	257.86	0.00	257.86	4.00	253.86	0.00	253.86	31.00	222.86	29.00	193.86	139.14	89.00	60.00
384.24	20.67	0.00	129.33	20.67	2093.77	20.67	384.24	25.00	359.24	0.00	359.24	4.00	355.24	0.00	355.24	31.00	324.24	29.00	295.24	136.76	89.00	60.00
330.03	14.88	0.00	135.12	14.88	2093.77	14.88	330.03	25.00	305.03	0.00	305.03	4.00	301.03	0.00	301.03	31.00	270.03	29.00	241.03	130.97	89.00	60.00
310.09	14.82	0.00	135.18	14.82	2093.77	14.82	310.09	25.00	285.09	0.00	285.09	4.00	281.09	0.00	281.09	31.00	250.09	29.00	221.09	130.91	89.00	60.00
312.94	12.97	0.00	137.03	12.97	2093.77	12.97	312.94	25.00	287.94	0.00	287.94	4.00	283.94	0.00	283.94	31.00	252.94	29.00	223.94	129.06	89.00	60.00
325.84	12.07	0.00	137.93	12.07	2093.77	12.07	325.84	25.00	300.84	0.00	300.84	4.00	296.84	0.00	296.84	31.00	265.84	29.00	236.84	128.16	89.00	60.00
273.99	11.92	0.00	138.08	11.92	2093.77	11.92	273.99	25.00	248.99	0.00	248.99	4.00	244.99	0.00	244.99	31.00	213.99	29.00	184.99	128.01	89.00	60.00
296.92	11.99	0.00	138.01	11.99	2093.77	11.99	296.92	25.00	271.92	0.00	271.92	4.00	267.92	0.00	267.92	31.00	236.92	29.00	207.92	128.08	89.00	60.00
313.87	12.04	0.00	137.96	12.04	2093.77	12.04	313.87	25.00	288.87	0.00	288.87	4.00	284.87	0.00	284.87	31.00	253.87	29.00	224.87	128.13	89.00	60.00
215.24	11.67	0.00	138.33	11.67	2093.77	11.67	215.24	25.00	190.24	0.00	190.24	4.00	186.24	0.00	186.24	31.00	155.24	29.00	126.24	127.76	89.00	60.00
251.08	11.83	0.00	138.17	11.83	2093.77	11.83	251.08	25.00	226.08	0.00	226.08	4.00	222.08	0.00	222.08	31.00	191.08	29.00	162.08	127.92	89.00	60.00
227.18	11.73	0.00	138.27	11.73	2093.77	11.73	227.18	25.00	202.18	0.00	202.18	4.00	198.18	0.00	198.18	31.00	167.18	29.00	138.18	127.82	89.00	60.00
249.09	11.82	0.00	138.18	11.82	2093.77	11.82	249.09	25.00	224.09	0.00	224.09	4.00	220.09	0.00	220.09	31.00	189.09	29.00	160.09	127.91	89.00	60.00
213.25	11.66	0.00	138.34	11.66	2093.77	11.66	213.25	25.00	188.25	0.00	188.25	4.00	184.25	0.00	184.25	31.00	153.25	29.00	124.25	127.75	89.00	60.00
226.19	11.72	0.00	138.28	11.72	2093.77	11.72	226.19	25.00	201.19	0.00	201.19	4.00	197.19	0.00	197.19	31.00	166.19	29.00	137.19	127.81	89.00	60.00
12098.15	515.10	0.00	3984.90	2322.12		2322.12	10291.13	750.00	9541.13	1200.40	8340.73	120.00	8220.73	0.00	8220.73	930.00	7290.73	866.55	6424.18	7310.82	3866.95	1798.55
23996.68	1021.70	0.00	7904.05	4605.92		4605.92	20412.46	1487.63	18924.83	2381.00	16543.83	238.02	16305.81	0.00	16305.81	1844.66	14461.16	1718.80	12742.36	14501.02	7670.10	3563.46